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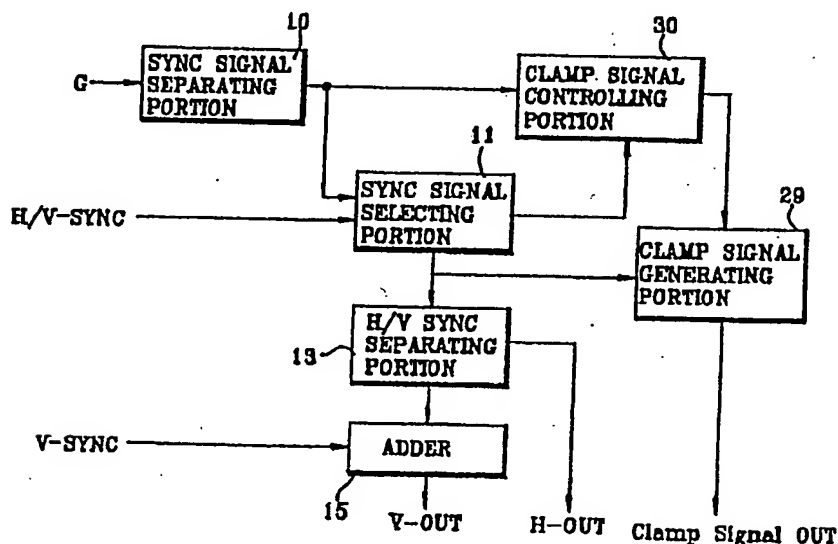
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(54) Video clamp signal generation control circuit discriminates source of sync pulses

(57) A clamp signal generation-control circuit includes a clamp signal controller 30 for discriminating between a sync on green signal and a separate sync signal supplied from a video card to a monitor and outputs a control signal according to the discrimination. A clamp signal generator 29 automatically changes a generated point of the clamp signal in accordance with the discriminator output. The generated point of the clamp signal supplied to the monitor is controlled to automatically shift the clamping position of a video signal, thereby preventing malfunction caused by a nonprofessional user's manipulation, abnormal picture display or the generation of a segment phenomenon. The circuit is suitable for monitors supplied with various kinds of sync signals.

FIG. 6



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FIG. 1

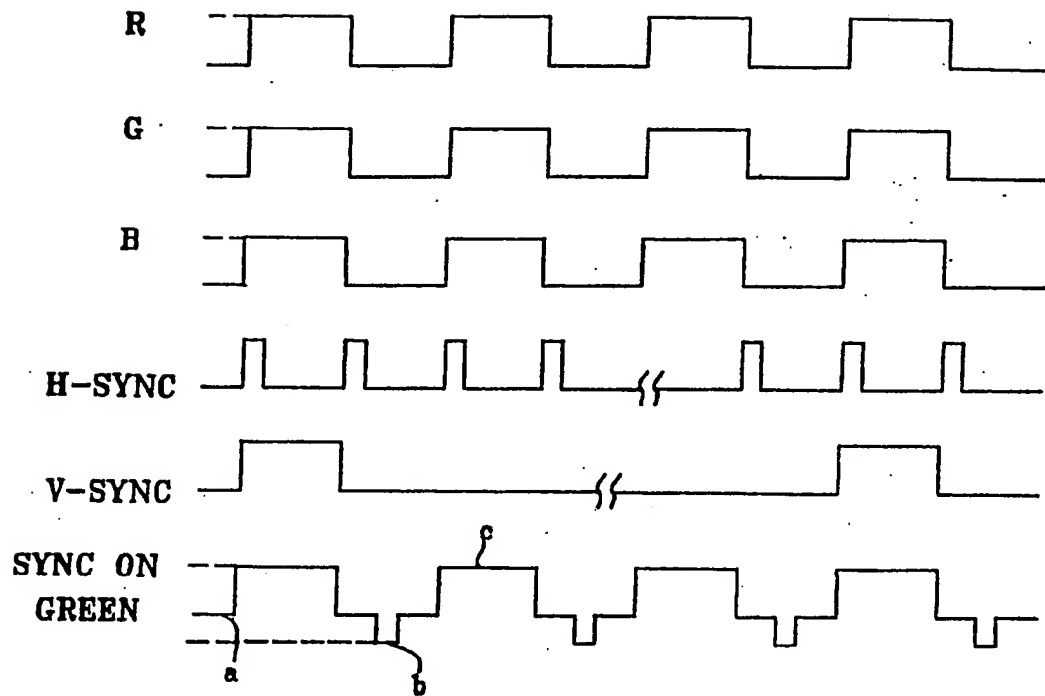


FIG. 2

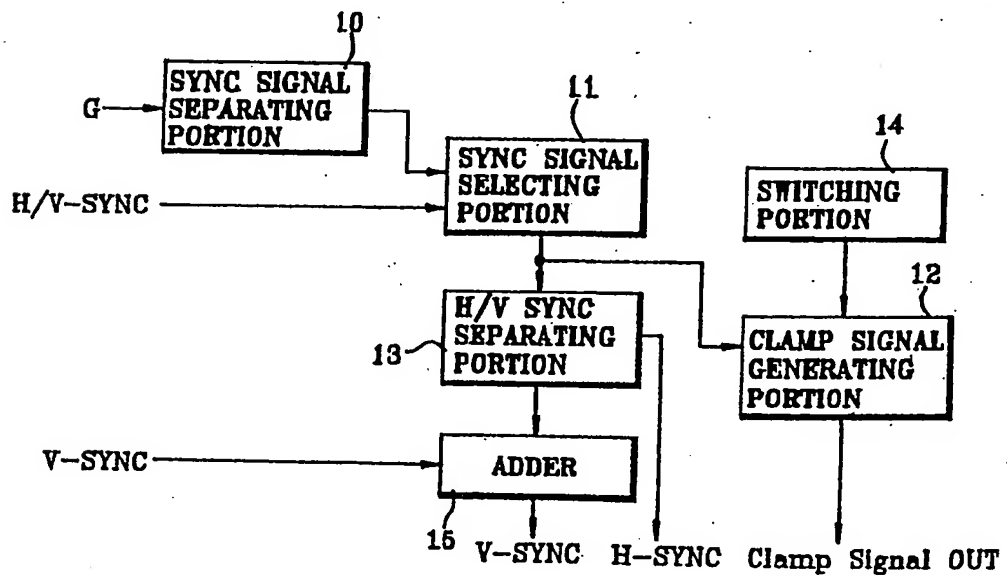


FIG. 3

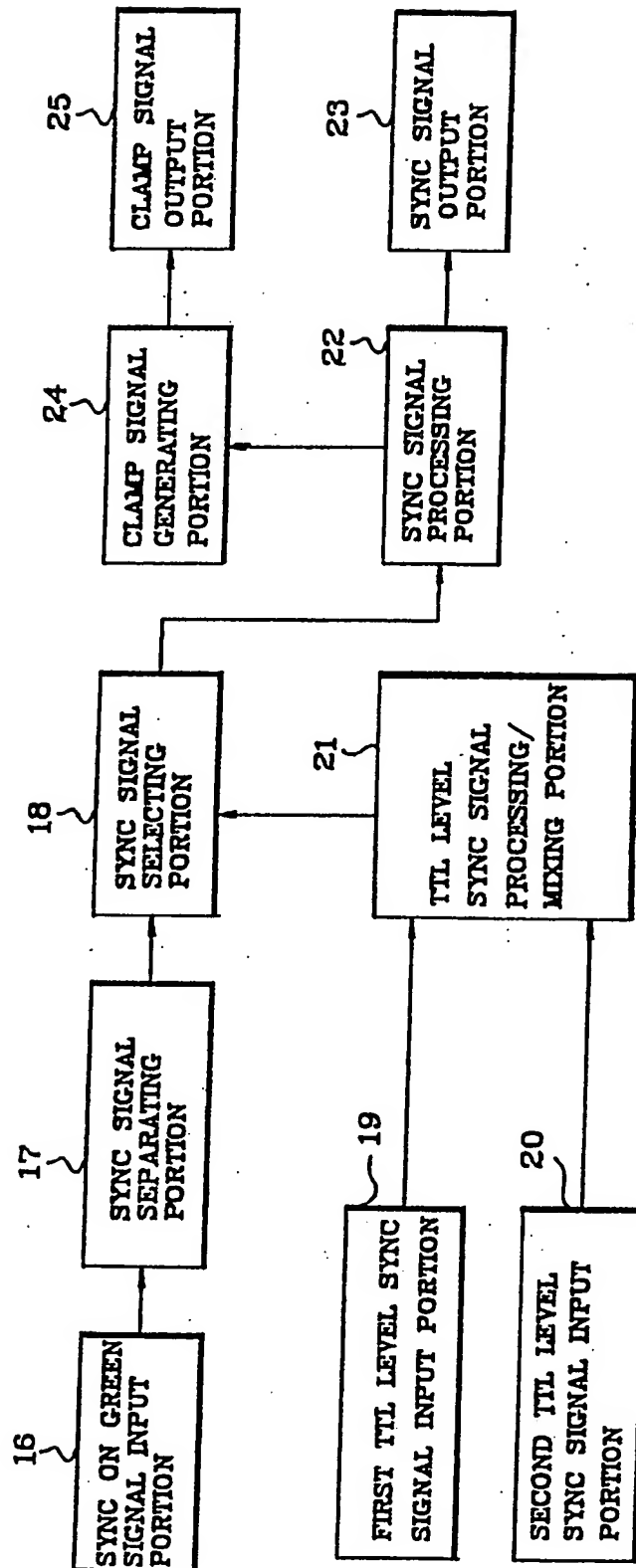


FIG. 4

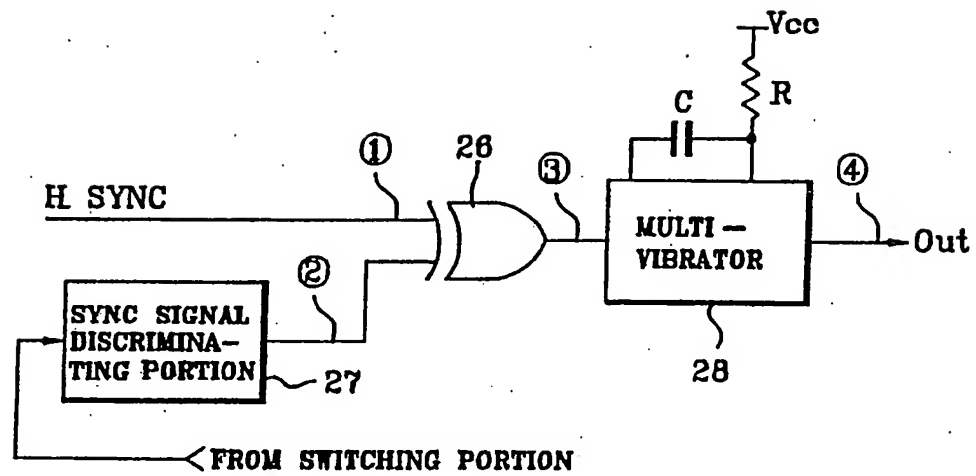


FIG. 5

CLASSIFICATION	①	②	③	①, ④
(A) SYNC ON GREEN		LOW		① ④
(B) SEPARATING SYNC		HIGH		① ④

FIG. 6

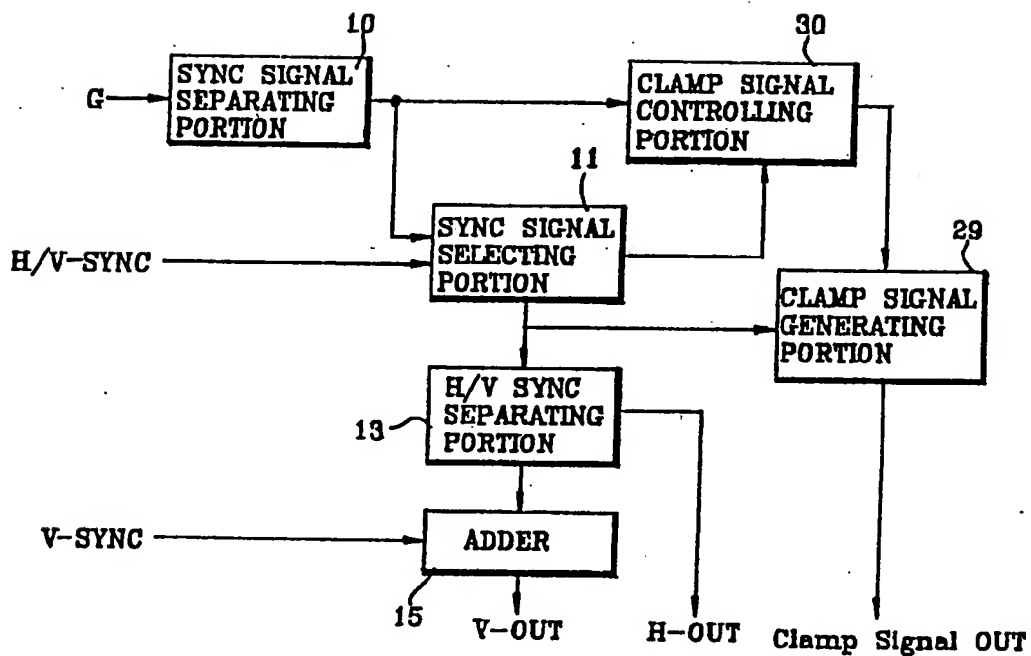


FIG. 7

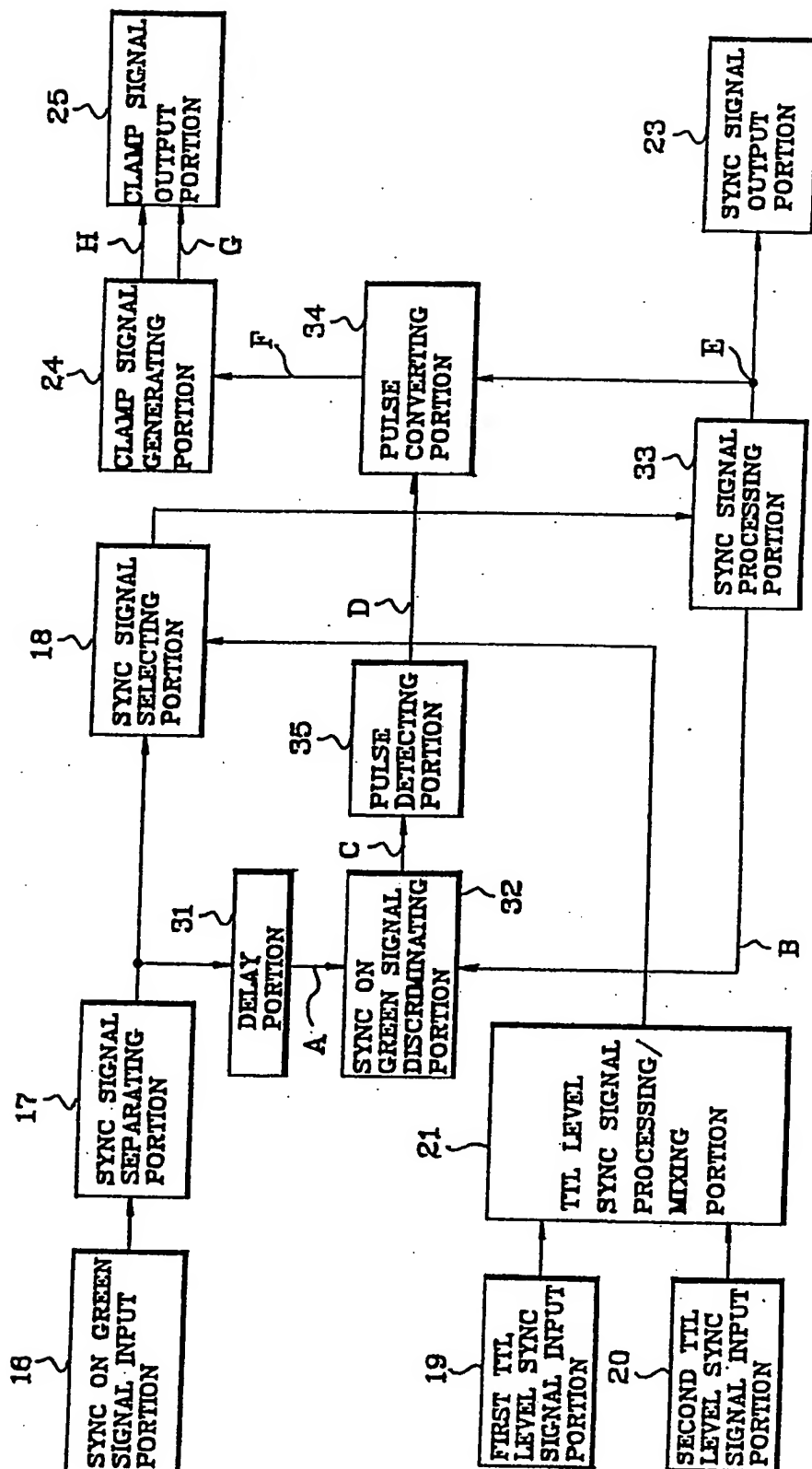


FIG. 8

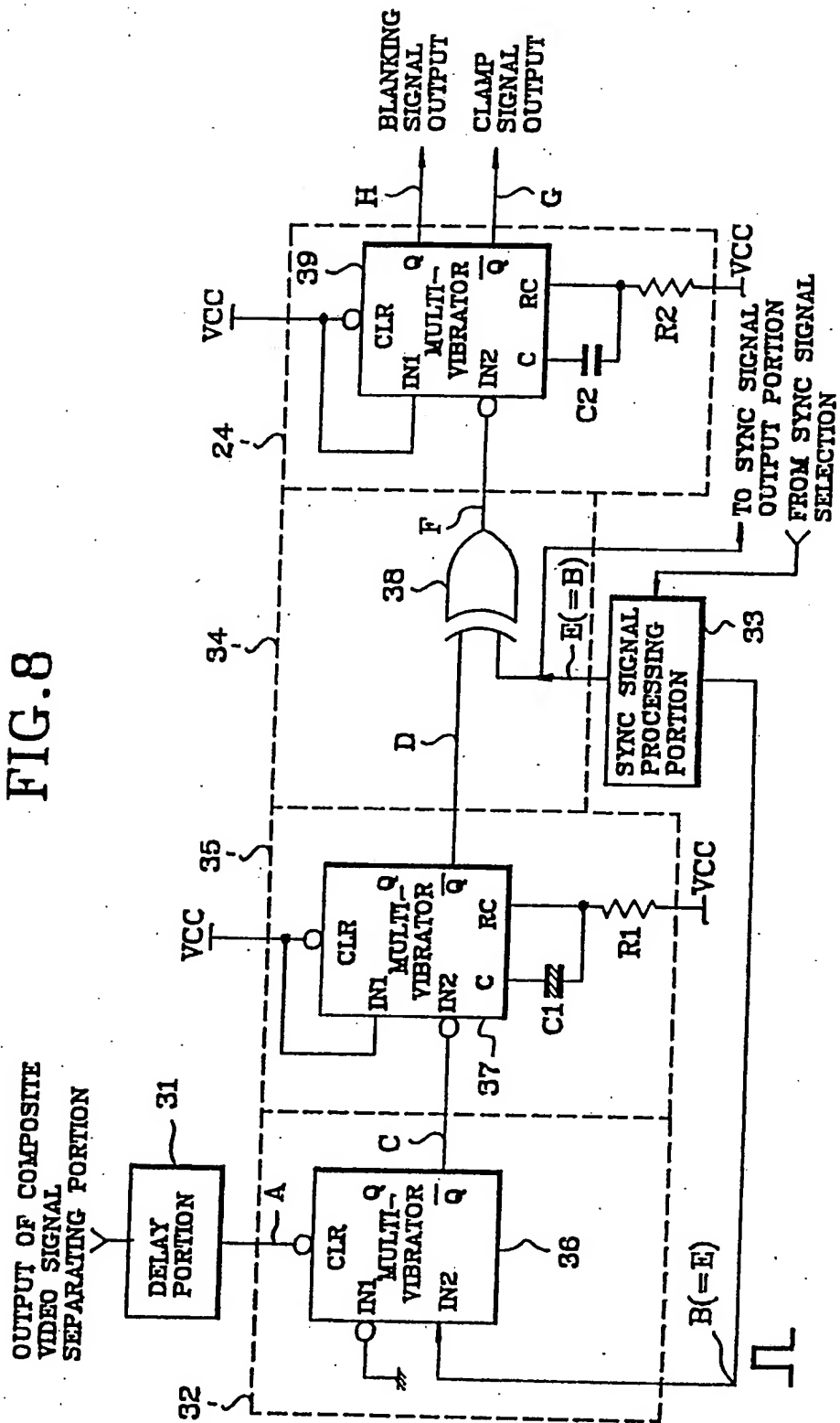


FIG. 9

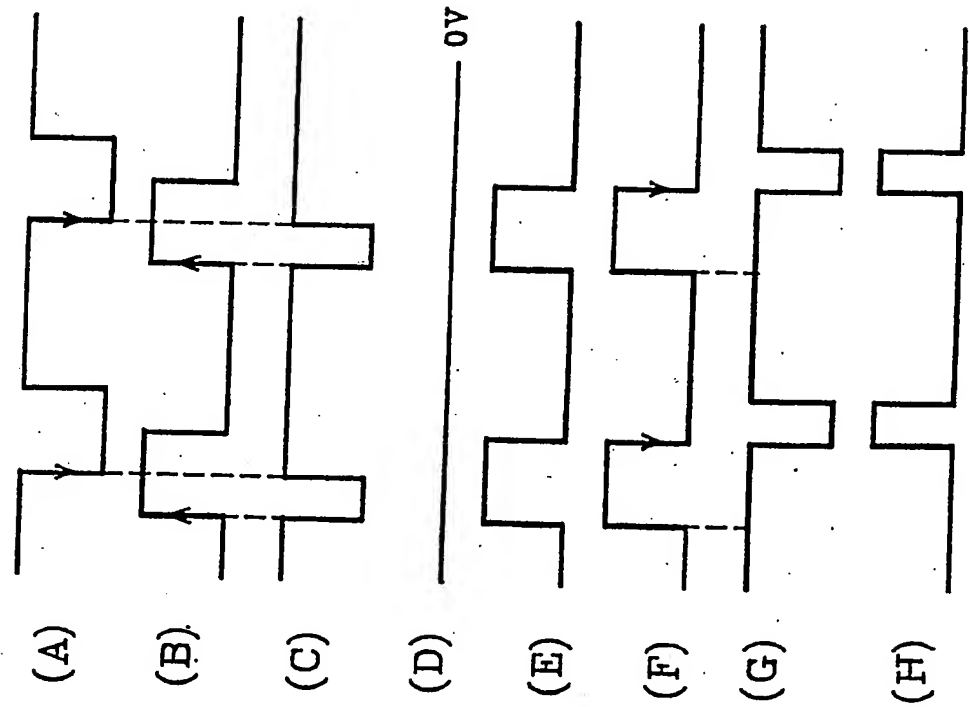


FIG. 10

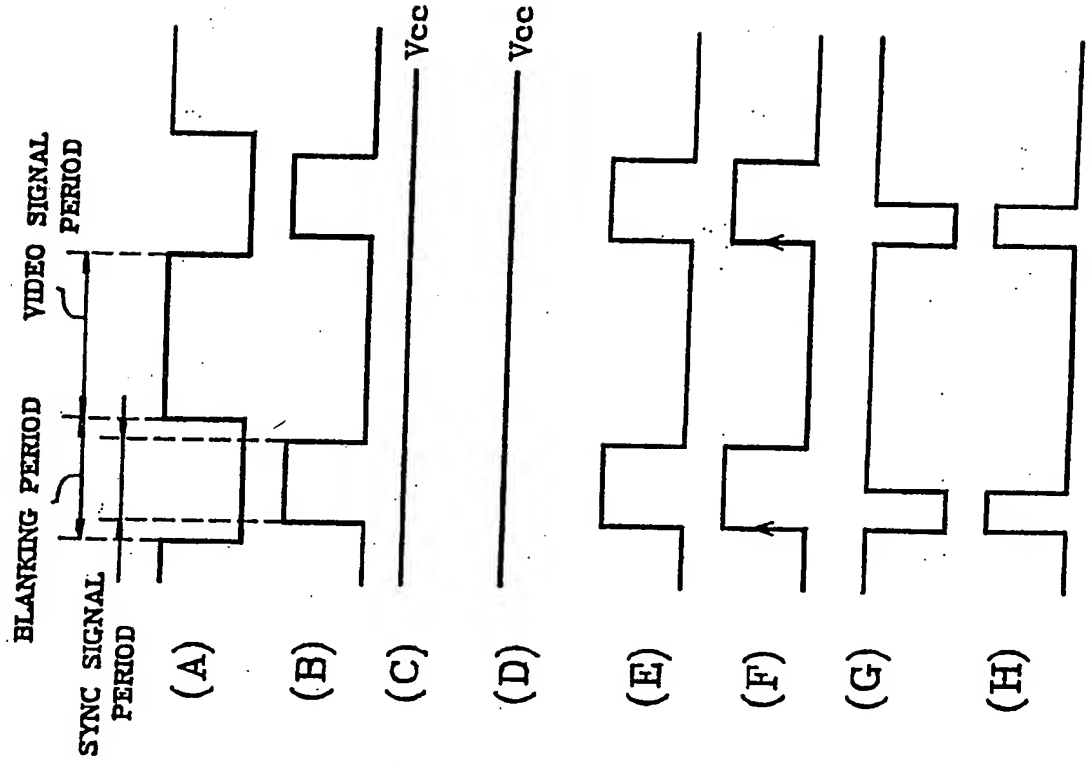


FIG. 11

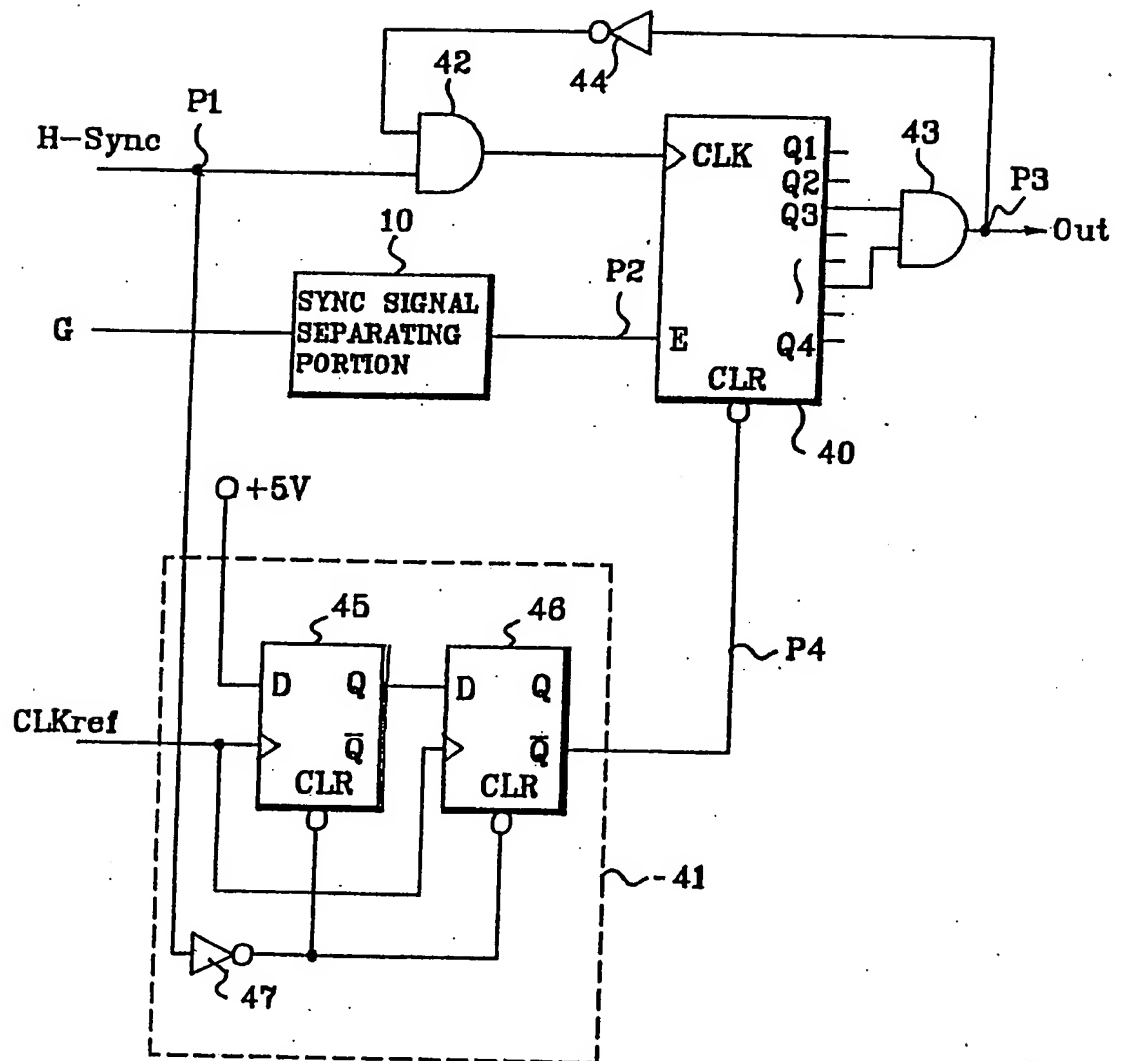


FIG.12A

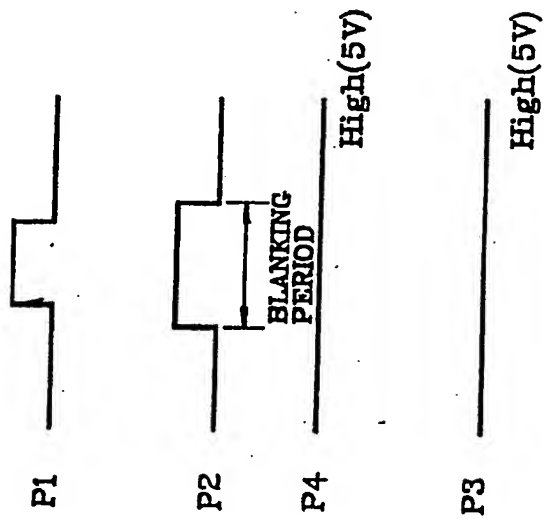


FIG.12B

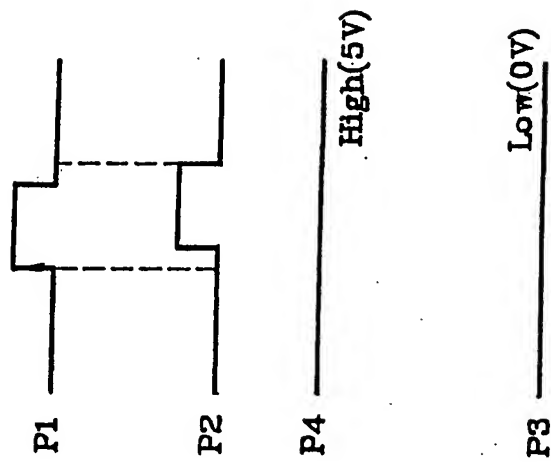


FIG.12C

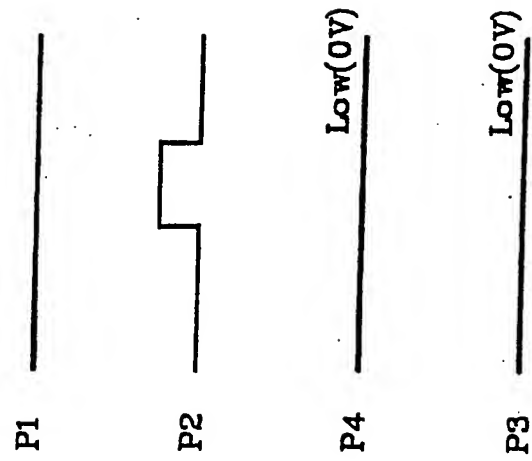


FIG. 13

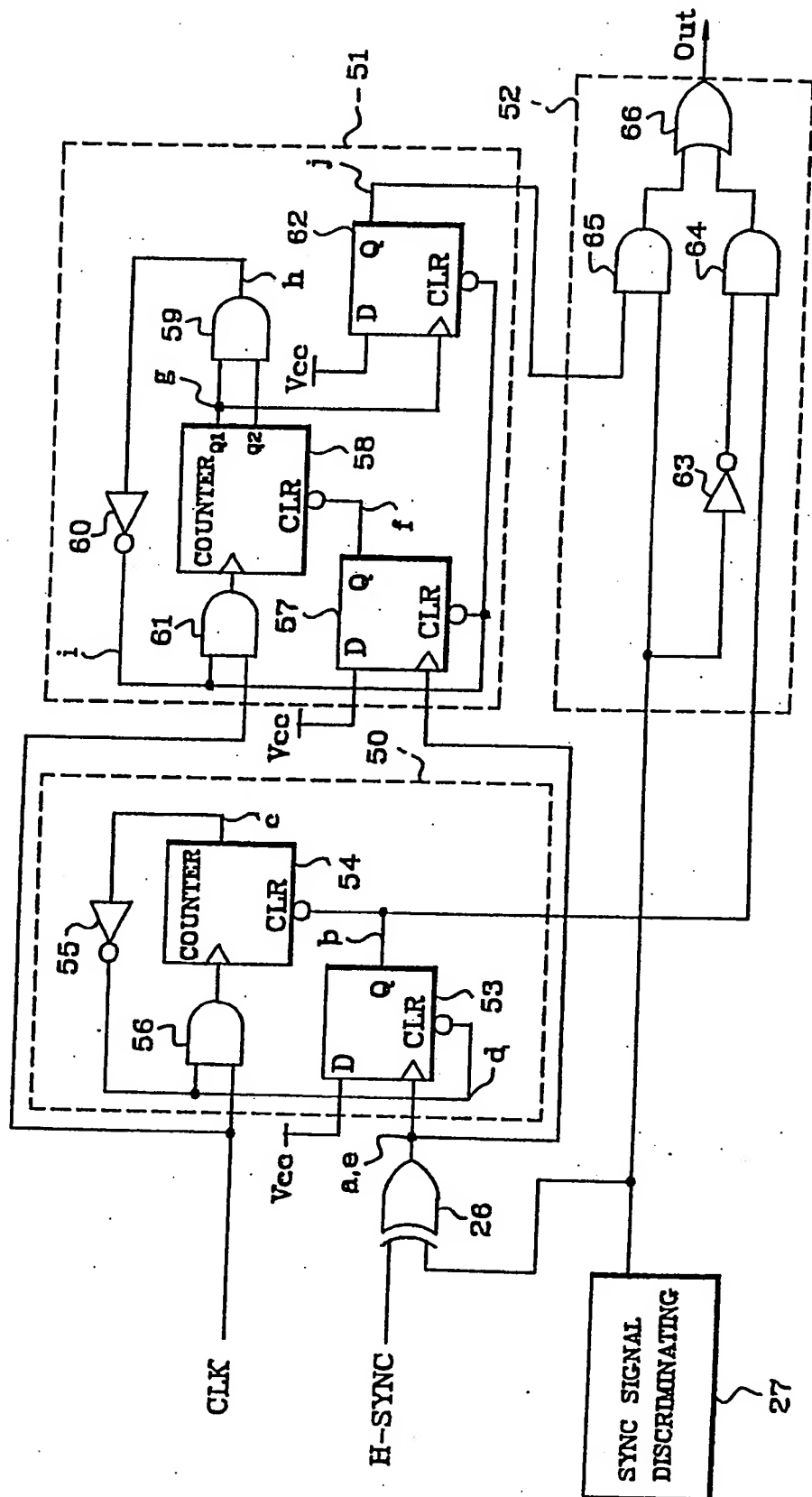


FIG.14

